The Marine Invertebrates Code of the Northwest Atlantic Fisheries Centre

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by

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CONTENTS

Abstract..... iv

Introduction..... 1

Acknowledgments..... 1

Reference..... 1

Appendix 1: Species code ordered by scientific name in taxonomic sequence. 5

Appendix 2: Species code ordered by scientific name in alphabetic sequence; genera and species first followed by higher taxa..... 19

Appendix 3: Species code ordered by numerical code sequence..... 33

ABSTRACT

Lilly, G. R. 1982. The marine invertebrates code of the Northwest Atlantic Fisheries Centre. Can. Data Rep. Fish. Aquat. Sci. 365: iv + 44 p.

In order to facilitate standardization of coding procedures at the Northwest Atlantic Fisheries Centre, unique 4-digit numerical codes were assigned to selected marine invertebrate taxa which have been or might be recorded in field surveys and studies of groundfish stomach contents. The species list is not a checklist for the Newfoundland-Labrador marine region.

Key words: invertebrate, Newfoundland, species code.

RÉSUMÉ

Lilly, G. R. 1982. The marine invertebrates code of the Northwest Atlantic Fisheries Centre. Can. Data Rep. Fish. Aquat. Sci. 365: iv + 44 p.

En vue de faciliter la standardisation des procedures de codage au centre des pêches de l'atlantique nord-ouest, des codes numeriques a quartre digitales uniques, ont été attribués a des taxa d'invertebrès marins selectionnès qui ont été ou devraient être enregistrès au cours d'observations sur le terrain et lors d'études des contenu stomachals des le poisson de fond. La liste des éspeces, n'est pas une liste de contrôle pour la region marine Terre-neuve et Labrador.

INTRODUCTION

A marine invertebrate species code was instituted on January 1, 1983 to facilitate standardization of coding procedures in the Fisheries Research Branch, Northwest Atlantic Fisheries Centre, St. John's. The code is a companion to the vertebrates code provided by Akenhead and LeGrow (1981).

The intent was to include in a 4-digit numerical code selected taxa which have been or might be recorded in field surveys and studies of groundfish stomach contents. The taxonomic list was compiled from a variety of sources and does not constitute a checklist. It includes only a small portion of the species recorded from the marine waters of Newfoundland and Labrador. Furthermore, it includes several taxa which have neither been recorded in these waters nor captured during distant surveys conducted by ships operated from St. John's.

Each entry comprises a code, a scientific name and a common name. The code sequence includes all numbers from 1100 to 9999. Most numbers are unassigned, so there is ample provision for additions to the scientific list. Unassigned numbers are scattered throughout the sequence and there is a large unassigned block at the end (8900-9979). Numbers 9980 to 9999 are special codes for stomach content analysis. The scientific list includes Phyla, Classes, Orders, Families, Genera and Species. Other taxonomic levels (e.g. Suborders) are included when deemed necessary. The common names are in most instances applicable to taxa higher than the species level, and thus are of no value in designating individual species.

The taxonomic list and code is presented in three arrangements in Appendices 1-3.

Appendix 1: Species code ordered by scientific name in taxonomic sequence.

Appendix 2: Species code ordered by scientific name in alphabetic sequence; genera and species first followed by higher taxa.

Appendix 3: Species code ordered by numerical code sequence.

All corrections and additions to this taxonomic list and code should be referred to the Scientific Records Management Committee, Fisheries Research Branch, Northwest Atlantic Fisheries Centre.

ACKNOWLEDGMENTS

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REFERENCE

Akenhead, S.A. and E.M. LeGrow. 1981. The vertebrates code of the Northwest Atlantic Fisheries Centre. Can. Data Rep. Fish. Aquat. Sci. 309: iv + 58 p.

APPENDIX 1: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN TAXONOMIC SEQUENCE

APPENDIX 1: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN TAXONOMIC SEQUENCE

CODE	SCIENTIFIC NAME	COMMON NAME
1100	Invertebrata	invertebrate (NS)
1101	Porifera	sponge
1340	Cnidaria	cnidarian
1341	Hydrozoa	hydrozoan
2040	Scyphozoa	scyphozoan
2100	Anthozoa	anthozoan
2165	Actinaria	sea anemone
2250	Ctenophora	comb-jelly
2280	Platyhelminthes	flatworm
2430	Rhynchocoela	rhynchocoel
2520	Rotifera	rotifer
2570	Priapulida	priapulid
2572	Priapulus sp.	priapulid
2573	Priapulus caudatus	priapulid
2580	Nematomorpha	hairworm
2585	Nematoda	nematode
2610	Entoprocta	entoproct
2640	Chaetognatha	arrow worm
2670	Ectoprocta	bryozoan
3070	Phoronida	phoronid
3080	Brachiopoda	lamp shell
3110	Mollusca	mollusc
3111	Aplacophora	solenogaster
3125	Polyplacophora	chiton
3175	Gastropoda	gastropod
3176	Archaeogastropoda	gastropod
3235	Mesogastropoda	gastropod
3420	Naticidae	snail, moon
3480	Neogastropoda	gastropod
3515	Buccinidae	whelk
3516	Buccinum sp.	whelk
3565	Neptunea sp.	whelk
3575	Colus sp.	whelk
3690	Cephalaspidea	gastropod
3740	Sacoglossa	gastropod
3760	Thecosomata	pteropod
3785	Limacinidae	pteropod
3786	Limacina sp.	pteropod
3787	Limacina helicina	pteropod
3788	Limacina retroversa	pteropod
3820	Gymnosomata	pteropod
3830	Clionidae	pteropod
3831	Clione sp.	pteropod
3832	Clione limacina	pteropod
3850	Nudibranchia	nudibranch
3975	Scaphopoda	tusk shell
3995	Bivalvia	bivalve
3996	Protobranchia	bivalve
4100	Prionodontida	bivalve
4120	Pteroconchida	bivalve

4120	Mytilidae	mussel
4121	Mytilus sp.	mussel
4122	Mytilus edulis	mussel, blue
4135	Modiolus sp.	mussel
4136	Modiolus modiolus	mussel, horse
4155	Ostreidae	oyster
4156	Crassostrea sp.	oyster
4157	Crassostrea virginica	oyster
4160	Ostrea sp.	oyster
4161	Ostrea edulis	oyster
4165	Pectinidae	scallop
4166	Chlamys sp.	scallop
4167	Chlamys islandica	scallop, Icelandic
4171	Aequipecten sp.	scallop
4172	Aequipecten irradians	scallop
4178	Placopecten sp.	scallop
4179	Placopecten magellanicus	scallop, giant
4190	Propeamussium sp.	scallop
4191	Propeamussium groenlandicum	scallop
4225	Heterodontida	bivalve
4425	Myidae	clam
4426	Mya sp.	clam
4427	Mya arenaria	clam, soft shell
4428	Mya truncata	clam
4435	Hiatellidae	clam
4436	Hiatella sp.	clam
4437	Hiatella arctica	clam
4440	Cyrtodaria sp.	clam
4441	Cyrtodaria siliqua	clam, bank
4475	Eudesmodontida	clam
4510	Septibranchia	clam
4545	Cephalopoda	cephalopod
4547	Sepioidea	cephalopod
4548	Spirulidae	cephalopod
4549	Spirula sp.	cephalopod
4550	Spirula spirula	cephalopod
4554	Sepiolidae	cephalopod
4556	Rossiinae	cephalopod
4557	Rossia sp.	cephalopod
4558	Rossia antillensis	cephalopod
4559	Rossia bullisi	cephalopod
4560	Rossia tortugaensis	cephalopod
4561	Rossia palpebrosa	cephalopod
4562	Rossia megaptera	cephalopod
4563	Rossia molleri	cephalopod
4567	Semirossia sp.	cephalopod
4568	Semirossia equalis	cephalopod
4569	Semirossia tenera	cephalopod
4575	Heteroteuthinae	cephalopod
4576	Heteroteuthis sp.	cephalopod
4577	Heteroteuthis atlantis	cephalopod
4578	Heteroteuthis dispar	cephalopod

4580	Nectoteuthis sp.	cephalopod
4581	Nectoteuthis pourtalesi	cephalopod
4585	Stoloteuthinae	cephalopod
4586	Stoloteuthis sp.	cephalopod
4587	Stoloteuthis leucoptera	cephalopod
4591	Teuthoidea	squid
4593	Myopsida	squid
4594	Loliginidae	squid
4595	Loligo sp.	squid
4596	Loligo brasiliensis	squid
4597	Loligo ocula	squid
4598	Loligo pealei	squid
4599	Loligo plei	squid
4600	Loligo roperi	squid
4601	Loligo surinamensis	squid
4604	Loliguncula sp.	squid
4605	Loliguncula brevis	squid
4607	Sepioteuthis sp.	squid
4608	Sepioteuthis sepioidea	squid
4610	Pickfordiateuthidae	squid
4611	Pickfordiateuthis sp.	squid
4612	Pickfordiateuthis pulchella	squid
4618	Oegopsida	squid
4619	Lycoteuthidae	squid
4620	Lycoteuthis sp.	squid
4621	Lycoteuthis diadema	squid
4623	Oregoniateuthis sp.	squid
4624	Oregoniateuthis lorigera	squid
4625	Oregoniateuthis springeri	squid
4627	Selenoteuthis sp.	squid
4628	Selenoteuthis scintillans	squid
4630	Lampadioteuthis sp.	squid
4631	Lampadioteuthis megaleia	squid
4633	Enoploteuthidae	squid
4634	Abralia sp.	squid
4635	Abralia redfieldi	squid
4636	Abralia veranyi	squid
4637	Abralia grimpei	squid
4639	Abraliopsis sp.	squid
4640	Abraliopsis pfefferi	squid
4642	Enoploteuthis sp.	squid
4643	Enoploteuthis anapsis	squid
4644	Enoploteuthis leptura	squid
4646	Pterygioteuthis sp.	squid
4647	Pterygioteuthis gemmata	squid
4648	Pterygioteuthis giardi	squid
4650	Pyroteuthis sp.	squid
4651	Pyroteuthis margaritifera	squid
4653	Thelidioteuthis sp.	squid
4654	Thelidioteuthis alessandrinii	squid
4660	Octopoteuthidae	squid
4661	Octopoteuthis sp.	squid

4662	Octopoteuthis danae	squid
4663	Octopoteuthis megaptera	squid
4664	Octopoteuthis sicula	squid
4666	Taningia sp.	squid
4667	Taningia danae	squid
4673	Onychoteuthidae	squid
4674	Ancistroteuthis sp.	squid
4675	Ancistroteuthis lichtensteini	squid
4677	Onychoteuthis sp.	squid
4678	Onychoteuthis banksi	squid
4680	Onykia sp.	squid
4681	Onykia carribaea	squid
4685	Cycloteuthidae	squid
4686	Cycloteuthis sp.	squid
4687	Cycloteuthis sirventi	squid
4689	Discoteuthis sp.	squid
4690	Discoteuthis discus	squid
4691	Discoteuthis laciniosa	squid
4695	Lepidoteuthidae	squid
4696	Lepidoteuthis sp.	squid
4697	Lepidoteuthis grimaldii	squid
4699	Pholidoteuthis sp.	squid
4700	Pholidoteuthis adami	squid
4702	Tetronychoteuthis sp.	squid
4703	Tetronychoteuthis dussumieri	squid
4707	Architeuthidae	squid
4708	Architeuthis sp.	squid
4709	Architeuthis dux	squid
4712	Histioteuthidae	squid
4713	Histioteuthis sp.	squid
4714	Histioteuthis bonnelli	squid
4715	Histioteuthis celetaria celetaria	squid
4716	Histioteuthis corona corona	squid
4717	Histioteuthis dofleini	squid
4718	Histioteuthis elongata	squid
4719	Histioteuthis meleagroteuthis	squid
4720	Histioteuthis reversa	squid
4727	Neoteuthidae	squid
4728	Neoteuthis sp.	squid
4731	Bathyteuthidae	squid
4732	Bathyteuthis sp.	squid
4733	Bathyteuthis abyssicola	squid
4735	Ctenopterygidae	squid
4736	Ctenopteryx sp.	squid
4737	Ctenopteryx sicula	squid
4741	Brachioteuthidae	squid
4742	Brachioteuthis sp.	squid
4743	Brachioteuthis riisei	squid
4744	Brachioteuthis beani	squid
4747	Ommastrephidae	squid
4748	Hyaloteuthis sp.	squid
4749	Hyaloteuthis pelagica	squid

4751	Illex sp.	squid
4752	Illex coindetii	squid
4753	Illex illecebrosus	squid, short-fin
4754	Illex oxygonius	squid
4756	Ommastrephes sp.	squid
4757	Ommastrephes bartrami	squid
4758	Ommastrephes pteropus	squid
4761	Ornithoteuthis sp.	squid
4762	Ornithoteuthis antillarum	squid
4768	Gonatidae	squid
4769	Gonatus sp.	squid
4770	Gonatus fabricii	squid, Arctic
4771	Gonatus steenstrupi	squid
4773	Thysanoteuthidae	squid
4774	Thysanoteuthis sp.	squid
4775	Thysanoteuthis rhombus	squid
4778	Chiroteuthidae	squid
4779	Chiroteuthis sp.	squid
4780	Chiroteuthis lacertosa	squid
4782	Valbyteuthis sp.	squid
4783	Valbyteuthis danae	squid
4786	Mastigoteuthidae	squid
4787	Mastigoteuthis sp.	squid
4788	Mastigoteuthis agassizi	squid
4789	Mastigoteuthis hjorti	squid
4790	Mastigoteuthis magna	squid
4791	Mastigoteuthis grimaldii	squid
4792	Mastigoteuthis cordiformis	squid
4798	Grimalditeuthidae	squid
4799	Grimalditeuthis sp.	squid
4800	Grimalditeuthis bomplandi	squid
4803	Joubiniteuthidae	squid
4804	Joubiniteuthis sp.	squid
4805	Joubiniteuthis portieri	squid
4808	Cranchiidae	squid
4809	Bathothauma sp.	squid
4810	Bathothauma lyromma	squid
4812	Cranchia sp.	squid
4813	Cranchia scabra	squid
4815	Egea sp.	squid
4816	Egea inermis	squid
4818	Pyrogopsis sp.	squid
4819	Pyrogopsis lemur	squid
4821	Megalocranchia sp.	squid
4822	Megalocranchia megalops	squid
4824	Galiteuthis sp.	squid
4825	Galiteuthis armata	squid
4827	Teuthowenia sp.	squid
4828	Teuthowenia megalops	squid
4830	Helicocranchia sp.	squid
4831	Helicocranchia pfefferi	squid
4833	Leachia sp.	squid

4834	Leachia cyclura	squid
4836	Liocranchia sp.	squid
4837	Liocranchia reinhardti	squid
4839	Taonius sp.	squid
4840	Taonius pavo	squid
4846	Octopoda	octopus
4847	Cirrata	octopus
4848	Cirroteuthidae	octopus
4849	Cirroteuthis sp.	octopus
4850	Cirroteuthis mulleri	octopus
4851	Stauroteuthidae	octopus
4852	Stauroteuthis sp.	octopus
4853	Stauroteuthis syrtensis	octopus
4856	Opisthoteuthidae	octopus
4857	Opisthoteuthis sp.	octopus
4858	Opisthoteuthis agassizi	octopus
4860	Grimpoteuthis sp.	octopus
4862	Incirrata	octopus
4863	Bolitaenidae	octopus
4864	Eledonella sp.	octopus
4865	Eledonella pygmaea	octopus
4867	Japetella sp.	octopus
4868	Japetella diaphana	octopus
4872	Alloposidae	octopus
4873	Alloposus sp.	octopus
4874	Alloposus mollis	octopus
4877	Octopodidae	octopus
4878	Bathypolypus sp.	octopus
4879	Bathypolypus arcticus	octopus
4881	Benthoctopus sp.	octopus
4882	Benthoctopus januari	octopus
4883	Benthoctopus piscatorum	octopus
4886	Danoctopus sp.	octopus
4887	Danoctopus schmidti	octopus
4889	Euaxoctopus sp.	octopus
4890	Euaxoctopus pillsburyae	octopus
4894	Octopus sp.	octopus
4895	Octopus briarius	octopus
4896	Octopus burryi	octopus
4897	Octopus defilippi	octopus
4898	Octopus hummelincki	octopus
4899	Octopus joubini	octopus
4900	Octopus macropus	octopus
4901	Octopus maya	octopus
4902	Octopus vulgaris	octopus
4903	Octopus zonatus	octopus
4904	Octopus bairdii	octopus
4907	Pteroctopus sp.	octopus
4908	Pteroctopus tetracirrhus	octopus
4910	Scaeurgus sp.	octopus
4911	Scaeurgus unicirrhus	octopus
4913	Graneledone sp.	octopus

4914	Graneledone verrucosa	octopus
4916	Tetracheledone sp.	octopus
4917	Tetracheledone spinicirrus	octopus
4926	Tremoctopodidae	octopus
4927	Tremoctopus sp.	octopus
4928	Tremoctopus gelatus	octopus
4929	Tremoctopus violaceus	octopus
4932	Argonautidae	octopus
4933	Argonauta sp.	octopus
4934	Argonauta argo	octopus
4935	Argonauta hians	octopus
4936	Ocythoidae	octopus
4937	Ocythoe sp.	octopus
4938	Ocythoe tuberculata	octopus
4939	Vampyromorpha	cephalopod
4940	Vampyroteuthidae	cephalopod
4941	Vampyroteuthis sp.	cephalopod
4942	Vampyroteuthis infernalis	cephalopod
4949	Annelida	annelid
4950	Polychaeta	polychaete
5845	Oligochaeta	oligochaete
5875	Hirudinea	leech
5900	Sipunculida	sipunculid
5930	Echiurida	echiurid
5950	Arthropoda	arthropod
5951	Pycnogonida	sea spider
6000	Crustacea	crustacean
6005	Cladocera	water flea
6020	Ostracoda	ostracod
6080	Copepoda	copepod
6081	Calanoida	copepod, calanoid
6580	Cirripedia	barnacle
6610	Nebaliacea	nebaliacean
6620	Cumacea	cumacean
6720	Tanaidacea	tanaid
6760	Isopoda	isopod
6815	Valvifera	isopod
6816	Idoteidae	isopod
6817	Idotea sp.	isopod
6818	Idotea balthica	isopod
6819	Idotea phosphorea	isopod
6930	Amphipoda	amphipod
6931	Hyperiidea	hyperiid (suborder)
6960	Hyperiidae	hyperiid (family)
6967	Parathemisto sp.	hyperiid
6976	Hyperia sp.	hyperiid
6977	Hyperia galba	hyperiid
6978	Hyperia medusarum	hyperiid
6980	Gammaridea	gammarid (suborder)
7880	Caprellidea	caprellid
7882	Stilomysis sp.	mysid
7925	Mysidacea	mysid

7926	Lophogastridae	mysid
7927	Gnathophausia sp.	mysid
7929	Eucopiidae	mysid
7930	Eucopia sp.	mysid
7932	Mysidae	mysid
7933	Boreomysis sp.	mysid
7934	Boreomysis tridens	mysid
7935	Boreomysis arctica	mysid
7936	Boreomysis nobilis	mysid
7940	Erythrops sp.	mysid
7941	Erythrops erythrophthalma	mysid
7942	Erythrops abyssorum	mysid
7943	Erythrops microps	mysid
7946	Meterythrops sp.	mysid
7947	Meterythrops robusta	mysid
7950	Amblyops sp.	mysid
7951	Amblyops kempii	mysid
7952	Amblyops abbreviata	mysid
7957	Pseudomma sp.	mysid
7958	Pseudomma affine	mysid
7959	Pseudomma truncatum	mysid
7960	Pseudomma roseum	mysid
7963	Mysidetes sp.	mysid
7964	Mysidetes farrani	mysid
7967	Mysis sp.	mysid
7968	Mysis polaris	mysid
7969	Mysis gaspensis	mysid
7970	Mysis oculata	mysid
7971	Mysis litoralis	mysid
7972	Mysis mixta	mysid
7973	Mysis stenolepis	mysid
7978	Praunus sp.	mysid
7979	Praunus flexuosus	mysid
7983	Stilomysis grandis	mysid
7985	Neomysis sp.	mysid
7986	Neomysis americana	mysid
7988	Heteromysis sp.	mysid
7989	Heteromysis formosa	mysid
7991	Euphausiacea	euphausiid
7993	Meganyctiphanes sp.	euphausiid
7994	Meganyctiphanes norvegica	euphausiid
7996	Euphausia sp.	euphausiid
7997	Euphausia krohni	euphausiid
7998	Euphausia brevis	euphausiid
8000	Thysanoessa sp.	euphausiid
8001	Thysanoessa inermis	euphausiid
8002	Thysanoessa raschi	euphausiid
8003	Thysanoessa longicaudata	euphausiid
8004	Thysanoessa gregaria	euphausiid
8007	Nematoscelis sp.	euphausiid
8008	Nematoscelis megalops	euphausiid
8011	Stylocheiron sp.	euphausiid

8012	Stylocheiron longicorne	euphausiid
8014	Thysanopoda sp.	euphausiid
8015	Thysanopoda acutifrons	euphausiid
8016	Nyctiphanes sp.	euphaussid
8017	Nyctiphanes couchii	euphausiid
8019	Decapoda	decapod, crustacean
8020	Natantia	shrimp
8021	Penaeidea	shrimp
8022	Penaeidae	shrimp
8023	Plesiopenaeus sp.	shrimp
8024	Plesiopenaeus edwardsianus	shrimp
8026	Gennadas sp.	shrimp
8027	Gennadas elegans	shrimp
8031	Sergestidae	shrimp
8032	Sergestes sp.	shrimp
8033	Sergestes arcticus	shrimp
8037	Caridea	shrimp
8038	Oplophoridae	shrimp
8039	Acanthephyra sp.	shrimp
8040	Acanthephyra pelagica	shrimp
8041	Acanthephyra purpurea	shrimp
8044	Hymenodora sp.	shrimp
8045	Hymenodora glacialis	shrimp
8049	Nematocarcinidae	shrimp
8050	Nematocarcinus sp.	shrimp
8051	Nematocarcinus ensifer	shrimp
8054	Pasiphaeidae	shrimp
8055	Pasiphaea sp.	shrimp
8056	Pasiphaea tarda	shrimp
8057	Pasiphaea multidentata	shrimp
8058	Pasiphaea princeps	shrimp
8062	Palaemonidae	shrimp
8063	Palaemonetes sp.	shrimp
8064	Palaemonetes pugio	shrimp
8065	Palaemonetes vulgaris	shrimp
8069	Hippolytidae	shrimp
8070	Bythocaris sp.	shrimp
8071	Bythocaris payeri	shrimp
8074	Eualus sp.	shrimp
8075	Eualus fabricii	shrimp
8076	Eualus pusiolus	shrimp
8077	Eualus macilentus	shrimp
8078	Eualus stoneyi	shrimp
8079	Eualus gaimardii	shrimp
8080	Eualus gaimardii gaimardii	shrimp
8081	Eualus gaimardii belcheri	shrimp
8084	Spirontocaris sp.	shrimp
8085	Spirontocaris spinus	shrimp
8086	Spirontocaris phippsi	shrimp
8087	Spriontocaris liljeborgi	shrimp
8091	Lebbeus sp.	shrimp
8092	Lebbeus groenlandicus	shrimp

8093	Lebbeus polaris	shrimp
8094	Lebbeus zebra	shrimp
8095	Lebbeus microceros	shrimp
8099	Caridion sp.	shrimp
8100	Caridion gordoni	shrimp
8102	Latreutes sp.	shrimp
8103	Latreutes fucorum	shrimp
8106	Pandalidae	shrimp
8107	Dichelopandalus sp.	shrimp
8108	Dichelopandalus leptocerus	shrimp
8110	Pandalus sp.	shrimp
8111	Pandalus borealis	shrimp
8112	Pandalus montagui	shrimp
8113	Pandalus propinquus	shrimp
8117	Crangonidae	shrimp
8118	Sclerocrangon sp.	shrimp
8119	Sclerocrangon boreas	shrimp
8120	Sclerocrangon ferox	shrimp
8124	Crangon sp.	shrimp
8125	Crangon septemspinosa	shrimp
8127	Sabinea sp.	shrimp
8128	Sabinea septemcarinata	shrimp
8129	Sabinea sarsi	shrimp
8130	Sabinea hystrix	shrimp
8134	Pontophilus sp.	shrimp
8135	Pontophilus norvegicus	shrimp
8137	Argis sp.	shrimp
8138	Argis dentata	shrimp
8140	Reptantia	malacostracan
8141	Macrura	malacostracan
8143	Polychelidae	malacostracan
8144	Stereomastis sp.	malacostracan
8145	Stereomastis sculpta	malacostracan
8149	Polycheles sp.	malacostracan
8150	Polycheles granulatus	malacostracan
8152	Nephropsidae	lobster
8153	Homarus sp.	lobster
8154	Homarus americanus	lobster
8157	Anomura	malacostracan
8158	Galatheidae	malacostracan
8159	Munida sp.	malacostracan
8160	Munida tenuimana	malacostracan
8163	Munidopsis sp.	malacostracan
8164	Munidopsis curvirostra	malacostracan
8167	Axiidae	malacostracan
8168	Axius sp.	malacostracan
8169	Axius serratus	malacostracan
8172	Calocaris sp.	malacostracan
8173	Calocaris templemani	malacostracan
8174	Calocaris macandreae	malacostracan
8177	Paguridae	hermit crab
8178	Pagurus sp.	hermit crab

8179	Pagurus acadianus	hermit crab
8180	Pagurus pubescens	hermit crab
8181	Pagurus politus	hermit crab
8182	Pagurus arcuatus	hermit crab
8183	Pagurus kroyeri	hermit crab
8184	Pagurus longicarpus	hermit crab
8190	Parapaguridae	hermit crab
8191	Parapagurus sp.	hermit crab
8192	Parapagurus pilosimanus	hermit crab
8194	Lithodidae	spiny crab
8195	Lithodes sp.	spiny crab
8196	Lithodes maja	spiny crab
8199	Neolithodes sp.	spiny crab
8200	Neolithodes grimaldii	spiny crab, red
8203	Brachyura	crab
8204	Cancridae	crab
8205	Cancer sp.	crab
8206	Cancer irroratus	crab
8207	Cancer borealis	crab
8211	Majidae	crab, spider
8212	Chionoecetes sp.	crab
8213	Chionoecetes opilio	crab, snow or queen
8216	Hyas sp.	crab, toad
8217	Hyas araneus	crab, toad
8218	Hyas coarctatus	crab, toad
8221	Libinia sp.	crab
8222	Libinia emarginata	crab
8223	Libinia dubia	crab
8226	Pelia sp.	crab
8227	Pelia mutica	crab
8230	Portunidae	crab
8231	Carcinus sp.	crab
8232	Carcinus maenas	crab
8234	Ovalipes sp.	crab
8235	Ovalipes ocellatus	crab
8238	Portunus sp.	crab
8239	Portunus sayi	crab
8242	Xanthidae	crab
8243	Neopanope sp.	crab
8244	Neopanope sayi	crab
8246	Rhithropanopeus sp.	crab
8247	Rhithropanopeus harrisii	crab
8250	Geryonidae	crab
8251	Geryon sp.	crab
8252	Geryon quiquedens	crab
8256	Grapsidae	crab
8257	Planes sp.	crab
8258	Planes minutus	crab
8260	Echinodermata	echinoderm
8261	Crinoidea	feather star
8290	Holothuroidea	sea cucumber
8291	Dendrochirotida	sea cucumber

8292	Psolidae	sea cucumber
8293	Psolus sp.	sea cucumber
8294	Psolus phantapus	sea cucumber
8295	Psolus fabricii	sea cucumber
8310	Cucumariidae	sea cucumber
8311	Cucumaria sp.	sea cucumber
8312	Cucumaria frondosa	sea cucumber
8360	Echinoidea	sea urchin
8361	Echinoida	sea urchin
8362	Strongylocentrotidae	sea urchin
8363	Strongylocentrotus sp.	sea urchin
8364	Strongylocentrotus droebachiensis	sea urchin
8365	Strongylocentrotus pallidus	sea urchin
8370	Clypeasteroida	sand dollar
8371	Echinarachnidae	sand dollar
8372	Echinarachnius sp.	sand dollar
8373	Echinarachnius parma	sand dollar
8390	Asteroidea	sea star
8530	Ophiuroidea	brittle star
8600	Hemichordata	acorn worm
8660	Pogonophora	pogonophore
8679	Chordata	chordate
8680	Ascidiacea	tunicate, sessile
8830	Thaliacea	tunicate, pelagic
8831	Doliolida	doliolid
8840	Salpida	salp
8860	Larvacea	appendicularian
9980		unidentified material
9981		sand
9982		stone
9984		eggs, fish (spawn)
9985		eggs, invertebrate
9987		plant material or seaweed
9990		gelatinous zooplankton
9991		gephyraea
9993		bait
9994		offal, fish
9995		offal, other
9997		everted
9998		empty

APPENDIX 2: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN ALPHABETIC SEQUENCE; GENERA AND SPECIES FIRST FOLLOWED BY HIGHER TAXA

APPENDIX 2: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN ALPHABETIC SEQUENCE; GENERA AND SPECIES FIRST FOLLOWED BY HIGHER TAXA

CODE	SCIENTIFIC NAME	COMMON NAME
4634	Abralia sp.	squid
4637	Abralia grimpei	squid
4635	Abralia redfieldi	squid
4636	Abralia veranyi	squid
4639	Abraliopsis sp.	squid
4640	Abraliopsis pfefferi	squid
8039	Acanthephyra sp.	shrimp
8040	Acanthephyra pelagica	shrimp
8041	Acanthephyra purpurea	shrimp
4171	Aequipecten sp.	scallop
4172	Aequipecten irradians	scallop
4873	Alloposus sp.	octopus
4874	Alloposus mollis	octopus
7950	Amblyops sp.	mysid
7952	Amblyops abbreviata	mysid
7951	Amblyops kempii	mysid
4674	Ancistroteuthis sp.	squid
4675	Ancistroteuthis lichtensteini	squid
4708	Architeuthis sp.	squid
4709	Architeuthis dux	squid
8137	Argis sp.	shrimp
8138	Argis dentata	shrimp
4933	Argonauta sp.	octopus
4934	Argonauta argo	octopus
4935	Argonauta hians	octopus
8168	Axius sp.	malacostracan
8169	Axius serratus	malacostracan
4809	Bathothauma sp.	squid
4810	Bathothauma lyromma	squid
4878	Bathypolypus sp.	octopus
4879	Bathypolypus arcticus	octopus
4732	Bathyteuthis sp.	squid
4733	Bathyteuthis abyssicola	squid
4881	Benthoctopus sp.	octopus
4882	Benthoctopus januari	octopus
4883	Benthoctopus piscatorum	octopus
7933	Boreomysis sp.	mysid
7935	Boreomysis arctica	mysid
7936	Boreomysis nobilis	mysid
7934	Boreomysis tridens	mysid
4742	Brachioteuthis sp.	squid
4744	Brachioteuthis beani	squid
4743	Brachioteuthis riisei	squid
3516	Buccinum sp.	whelk
8070	Bythocaris sp.	shrimp
8071	Bythocaris payeri	shrimp
8172	Calocaris sp.	malacostracan
8174	Calocaris macandreae	malacostracan
8173	Calocaris templemani	malacostracan

8205	Cancer sp.	crab
8207	Cancer borealis	crab
8206	Cancer irroratus	crab
8231	Carcinus sp.	crab
8232	Carcinus maenas	crab
8099	Caridion sp.	shrimp
8100	Caridion gordoni	shrimp
8212	Chionoecetes sp.	crab
8213	Chionoecetes opilio	crab, snow or queen
4779	Chiroteuthis sp.	squid
4780	Chiroteuthis lacertosa	squid
4166	Chlamys sp.	scallop
4167	Chlamys islandica	scallop, Icelandic
4849	Cirroteuthis sp.	octopus
4850	Cirroteuthis mulleri	octopus
3831	Clione sp.	pteropod
3832	Clione limacina	pteropod
3575	Colus sp.	whelk
4812	Cranchia sp.	squid
4813	Cranchia scabra	squid
8125	Crangon septemspinosa	shrimp
8124	Crangon sp.	shrimp
4156	Crassostrea sp.	oyster
4157	Crassostrea virginica	oyster
4736	Ctenopteryx sp.	squid
4737	Ctenopteryx sicula	squid
8311	Cucumaria sp.	sea cucumber
8312	Cucumaria frondosa	sea cucumber
4686	Cycloteuthis sp.	squid
4687	Cycloteuthis sirventi	squid
4440	Cyrtodaria sp.	clam
4441	Cyrtodaria siliqua	clam, bank
4886	Danoctopus sp.	octopus
4887	Danoctopus schmidti	octopus
8107	Dichelopandalus sp.	shrimp
8108	Dichelopandalus leptocerus	shrimp
4689	Discoteuthis sp.	squid
4690	Discoteuthis discus	squid
4691	Discoteuthis laciniosa	squid
8372	Echinarachnius sp.	sand dollar
8373	Echinarachnius parma	sand dollar
4815	Egea sp.	squid
4816	Egea inermis	squid
4864	Eledonella sp.	octopus
4865	Eledonella pygmaea	octopus
4642	Enoploteuthis sp.	squid
4643	Enoploteuthis anapsis	squid
4644	Enoploteuthis leptura	squid
7940	Erythrops sp.	mysid
7942	Erythrops abyssorum	mysid
7941	Erythrops erythrophthalma	mysid
7943	Erythrops microps	mysid

8074	Eualus sp.	shrimp
8075	Eualus fabricii	shrimp
8079	Eualus gaimardii	shrimp
8081	Eualus gaimardii belcheri	shrimp
8080	Eualus gaimardii gaimardii	shrimp
8077	Eualus macilentus	shrimp
8076	Eualus pusiolus	shrimp
8078	Eualus stoneyi	shrimp
4889	Euaxoctopus sp.	octopus
4890	Euaxoctopus pillsburyae	octopus
7930	Eucopia sp.	mysid
7996	Euphausia sp.	euphausiid
7998	Euphausia brevis	euphausiid
7997	Euphausia krohni	euphausiid
4824	Galiteuthis sp.	squid
4825	Galiteuthis armata	squid
8026	Gennadas sp.	shrimp
8027	Gennadas elegans	shrimp
8251	Geryon sp.	crab
8252	Geryon quiquedens	crab
7927	Gnathophausia sp.	mysid
4769	Gonatus sp.	squid
4770	Gonatus fabricii	squid, Arctic
4771	Gonatus steenstrupi	squid
4913	Graneledone sp.	octopus
4914	Graneledone verrucosa	octopus
4799	Grimalditeuthis sp.	squid
4800	Grimalditeuthis bomplandi	squid
4860	Grimpoteuthis sp.	octopus
4830	Helicocranchia sp.	squid
4831	Helicocranchia pfefferi	squid
7988	Heteromysis sp.	mysid
7989	Heteromysis formosa	mysid
4576	Heteroteuthis sp.	cephalopod
4577	Heteroteuthis atlantis	cephalopod
4578	Heteroteuthis dispar	cephalopod
4436	Hiatella sp.	clam
4437	Hiatella arctica	clam
4713	Histioteuthis sp.	squid
4714	Histioteuthis bonnelli	squid
4715	Histioteuthis celetaria celetaria	squid
4716	Histioteuthis corona corona	squid
4717	Histioteuthis dofleini	squid
4718	Histioteuthis elongata	squid
4719	Histioteuthis meleagroteuthis	squid
4720	Histioteuthis reversa	squid
8153	Homarus sp.	lobster
8154	Homarus americanus	lobster
4748	Hyaloteuthis sp.	squid
4749	Hyaloteuthis pelagica	squid
8216	Hyas sp.	crab, toad
8217	Hyas araneus	crab, toad

8218	Hyas coarctatus	crab, toad
8044	Hymenodora sp.	shrimp
8045	Hymenodora glacialis	shrimp
6976	Hyperia sp.	hyperiid
6977	Hyperia galba	hyperiid
6978	Hyperia medusarum	hyperiid
4751	Illex sp.	squid
4752	Illex coindetii	squid
4753	Illex illecebrosus	squid, short-fin
4754	Illex oxygonius	squid
4867	Japetella sp.	octopus
4868	Japetella diaphana	octopus
4804	Joubiniteuthis sp.	squid
4805	Joubiniteuthis portieri	squid
4630	Lampadioteuthis sp.	squid
4631	Lampadioteuthis megaleia	squid
8102	Latreutes sp.	shrimp
8103	Latreutes fucorum	shrimp
4833	Leachia sp.	squid
4834	Leachia cyclura	squid
8091	Lebbeus sp.	shrimp
8092	Lebbeus groenlandicus	shrimp
8095	Lebbeus microceros	shrimp
8093	Lebbeus polaris	shrimp
8094	Lebbeus zebra	shrimp
4696	Lepidoteuthis sp.	squid
4697	Lepidoteuthis grimaldii	squid
8221	Libinia sp.	crab
8223	Libinia dubia	crab
8222	Libinia emarginata	crab
3786	Limacina sp.	pteropod
3787	Limacina helicina	pteropod
3788	Limacina retroversa	pteropod
4836	Liocranchia sp.	squid
4837	Liocranchia reinhardti	squid
8195	Lithodes sp.	spiny crab
8196	Lithodes maja	spiny crab
4595	Loligo sp.	squid
4596	Loligo brasiliensis	squid
4597	Loligo ocula	squid
4598	Loligo pealei	squid
4599	Loligo plei	squid
4600	Loligo roperi	squid
4601	Loligo surinamensis	squid
4604	Loliguncula sp.	squid
4605	Loliguncula brevis	squid
4620	Lycoteuthis sp.	squid
4621	Lycoteuthis diadema	squid
4787	Mastigoteuthis sp.	squid
4788	Mastigoteuthis agassizi	squid
4792	Mastigoteuthis cordiformis	squid
4791	Mastigoteuthis grimaldii	squid

4789	Mastigoteuthis hjorti	squid
4790	Mastigoteuthis magna	squid
4821	Megalocranchia sp.	squid
4822	Megalocranchia megalops	squid
7993	Meganyctiphanes sp.	euphausiid
7994	Meganyctiphanes norvegica	euphausiid
7946	Meterythrops sp.	mysid
7947	Meterythrops robusta	mysid
4135	Modiolus sp.	mussel
4136	Modiolus modiolus	mussel, horse
8159	Munida sp.	malacostracan
8160	Munida tenuimana	malacostracan
8163	Munidopsis sp.	malacostracan
8164	Munidopsis curvirostra	malacostracan
4426	Mya sp.	clam
4427	Mya arenaria	clam, soft shell
4428	Mya truncata	clam
7963	Mysidetes sp.	mysid
7964	Mysidetes farrani	mysid
7967	Mysis sp.	mysid
7969	Mysis gaspensis	mysid
7971	Mysis litoralis	mysid
7972	Mysis mixta	mysid
7970	Mysis oculata	mysid
7968	Mysis polaris	mysid
7973	Mysis stenolepis	mysid
4121	Mytilus sp.	mussel
4122	Mytilus edulis	mussel, blue
4580	Nectoteuthis sp.	cephalopod
4581	Nectoteuthis pourtalesi	cephalopod
8050	Nematocarcinus sp.	shrimp
8051	Nematocarcinus ensifer	shrimp
8007	Nematoscelis sp.	euphausiid
8008	Nematoscelis megalops	euphausiid
8199	Neolithodes sp.	spiny crab
8200	Neolithodes grimaldii	spiny crab, red
7985	Neomysis sp.	mysid
7986	Neomysis americana	mysid
8243	Neopanope sp.	crab
8244	Neopanope sayi	crab
4728	Neoteuthis sp.	squid
3565	Neptunea sp.	whelk
8016	Nyctiphanes sp.	euphaussid
8017	Nyctiphanes couchii	euphausiid
4661	Octopoteuthis sp.	squid
4662	Octopoteuthis danae	squid
4663	Octopoteuthis megaptera	squid
4664	Octopoteuthis sicula	squid
4894	Octopus sp.	octopus
4904	Octopus bairdii	octopus
4895	Octopus briarius	octopus
4896	Octopus burryi	octopus

4897	Octopus defilippi	octopus
4898	Octopus hummelincki	octopus
4899	Octopus joubini	octopus
4900	Octopus macropus	octopus
4901	Octopus maya	octopus
4902	Octopus vulgaris	octopus
4903	Octopus zonatus	octopus
4937	Ocythoe sp.	octopus
4938	Ocythoe tuberculata	octopus
4756	Ommastrephes sp.	squid
4757	Ommastrephes bartrami	squid
4758	Ommastrephes pteropus	squid
4677	Onychoteuthis sp.	squid
4678	Onychoteuthis banksi	squid
4680	Onykia sp.	squid
4681	Onykia carribaea	squid
4857	Opisthoteuthis sp.	octopus
4858	Opisthoteuthis agassizi	octopus
4623	Oregoniateuthis sp.	squid
4624	Oregoniateuthis lorigera	squid
4625	Oregoniateuthis springeri	squid
4761	Ornithoteuthis sp.	squid
4762	Ornithoteuthis antillarum	squid
4160	Ostrea sp.	oyster
4161	Ostrea edulis	oyster
8234	Ovalipes sp.	crab
8235	Ovalipes ocellatus	crab
8178	Pagurus sp.	hermit crab
8179	Pagurus acadianus	hermit crab
8182	Pagurus arcuatus	hermit crab
8183	Pagurus kroyeri	hermit crab
8184	Pagurus longicarpus	hermit crab
8181	Pagurus politus	hermit crab
8180	Pagurus pubescens	hermit crab
8063	Palaemonetes sp.	shrimp
8064	Palaemonetes pugio	shrimp
8065	Palaemonetes vulgaris	shrimp
8110	Pandalus sp.	shrimp
8111	Pandalus borealis	shrimp
8112	Pandalus montagui	shrimp
8113	Pandalus propinquus	shrimp
8191	Parapagurus sp.	hermit crab
8192	Parapagurus pilosimanus	hermit crab
6967	Parathemisto sp.	hyperiid
8055	Pasiphaea sp.	shrimp
8057	Pasiphaea multidentata	shrimp
8058	Pasiphaea princeps	shrimp
8056	Pasiphaea tarda	shrimp
8226	Pelia sp.	crab
8227	Pelia mutica	crab
4699	Pholidoteuthis sp.	squid
4700	Pholidoteuthis adami	squid

4611	Pickfordiateuthis sp.	squid
4612	Pickfordiateuthis pulchella	squid
4178	Placopecten sp.	scallop
4179	Placopecten magellanicus	scallop, giant
8257	Planes sp.	crab
8258	Planes minutus	crab
8023	Plesiopenaeus sp.	shrimp
8024	Plesiopenaeus edwardsianus	shrimp
8149	Polycheles sp.	malacostracan
8150	Polycheles granulatus	malacostracan
8134	Pontophilus sp.	shrimp
8135	Pontophilus norvegicus	shrimp
8238	Portunus sp.	crab
8239	Portunus sayi	crab
7978	Praunus sp.	mysid
7979	Praunus flexuosus	mysid
2572	Priapulus sp.	priapulid
2573	Priapulus caudatus	priapulid
4190	Propeamussium sp.	scallop
4191	Propeamussium groenlandicum	scallop
7957	Pseudomma sp.	mysid
7958	Pseudomma affine	mysid
7960	Pseudomma roseum	mysid
7959	Pseudomma truncatum	mysid
8293	Psolus sp.	sea cucumber
8295	Psolus fabricii	sea cucumber
8294	Psolus phantapus	sea cucumber
4907	Pteroctopus sp.	octopus
4908	Pteroctopus tetracirrhus	octopus
4646	Pterygioteuthis sp.	squid
4647	Pterygioteuthis gemmata	squid
4648	Pterygioteuthis giardi	squid
4818	Pyrogopsis sp.	squid
4819	Pyrogopsis lemur	squid
4650	Pyroteuthis sp.	squid
4651	Pyroteuthis margaritifera	squid
8246	Rhithropanopeus sp.	crab
8247	Rhithropanopeus harrisii	crab
4557	Rossia sp.	cephalopod
4558	Rossia antillensis	cephalopod
4559	Rossia bullisi	cephalopod
4562	Rossia megaptera	cephalopod
4563	Rossia molleri	cephalopod
4561	Rossia palpebrosa	cephalopod
4560	Rossia tortugaensis	cephalopod
8127	Sabinea sp.	shrimp
8130	Sabinea hystrix	shrimp
8129	Sabinea sarsi	shrimp
8128	Sabinea septemcarinata	shrimp
4910	Scaeurgus sp.	octopus
4911	Scaeurgus unicirrhus	octopus
8118	Sclerocrangon sp.	shrimp

8119	Sclerocrangon boreas	shrimp
8120	Sclerocrangon ferox	shrimp
4627	Selenoteuthis sp.	squid
4628	Selenoteuthis scintillans	squid
4567	Semirossia sp.	cephalopod
4568	Semirossia equalis	cephalopod
4569	Semirossia tenera	cephalopod
4607	Sepioteuthis sp.	squid
4608	Sepioteuthis sepioidea	squid
8032	Sergestes sp.	shrimp
8033	Sergestes arcticus	shrimp
8084	Spirontocaris sp.	shrimp
8086	Spirontocaris phippsi	shrimp
8085	Spirontocaris spinus	shrimp
4549	Spirula sp.	cephalopod
4550	Spirula spirula	cephalopod
8087	Spriontocaris lilljeborgi	shrimp
4852	Stauroteuthis sp.	octopus
4853	Stauroteuthis syrtensis	octopus
8144	Stereomastis sp.	malacostracan
8145	Stereomastis sculpta	malacostracan
7882	Stilomysis sp.	mysid
7983	Stilomysis grandis	mysid
4586	Stoloteuthis sp.	cephalopod
4587	Stoloteuthis leucoptera	cephalopod
8363	Strongylocentrotus sp.	sea urchin
8364	Strongylocentrotus droebachiensis	sea urchin
8365	Strongylocentrotus pallidus	sea urchin
8011	Stylocheiron sp.	euphausiid
8012	Stylocheiron longicorne	euphausiid
4666	Taningia sp.	squid
4667	Taningia danae	squid
4839	Taonius sp.	squid
4840	Taonius pavo	squid
4916	Tetracheledone sp.	octopus
4917	Tetracheledone spinicirrus	octopus
4702	Tetronychoteuthis sp.	squid
4703	Tetronychoteuthis dussumieri	squid
4827	Teuthowenia sp.	squid
4828	Teuthowenia megalops	squid
4653	Thelidioteuthis sp.	squid
4654	Thelidioteuthis alessandrinii	squid
8000	Thysanoessa sp.	euphausiid
8004	Thysanoessa gregaria	euphausiid
8001	Thysanoessa inermis	euphausiid
8003	Thysanoessa longicaudata	euphausiid
8002	Thysanoessa raschi	euphausiid
8014	Thysanopoda sp.	euphausiid
8015	Thysanopoda acutifrons	euphausiid
4774	Thysanoteuthis sp.	squid
4775	Thysanoteuthis rhombus	squid
4927	Tremoctopus sp.	octopus

4928	Tremoctopus gelatus	octopus
4929	Tremoctopus violaceus	octopus
4782	Valbyteuthis sp.	squid
4783	Valbyteuthis danae	squid
4941	Vampyroteuthis sp.	cephalopod
4942	Vampyroteuthis infernalis	cephalopod
2165	Actinaria	sea anemone
4872	Alloposidae	octopus
6930	Amphipoda	amphipod
4949	Annelida	annelid
8157	Anomura	malacostracan
2100	Anthozoa	anthozoan
3111	Aplacophora	solenogaster
3176	Archaeogastropoda	gastropod
4707	Architeuthidae	squid
4932	Argonautidae	octopus
5950	Arthropoda	arthropod
8680	Ascidiacea	tunicate, sessile
8390	Asteroidea	sea star
8167	Axiidae	malacostracan
4731	Bathyteuthidae	squid
3995	Bivalvia	bivalve
4863	Bolitaenidae	octopus
3080	Brachiopoda	lamp shell
4741	Brachioteuthidae	squid
8203	Brachyura	crab
3515	Buccinidae	whelk
6081	Calanoida	copepod, calanoid
8204	Cancridae	crab
7880	Caprellidea	caprellid
8037	Caridea	shrimp
3690	Cephalaspidea	gastropod
4545	Cephalopoda	cephalopod
2640	Chaetognatha	arrow worm
4778	Chiroteuthidae	squid
8679	Chordata	chordate
4847	Cirrata	octopus
6580	Cirripedia	barnacle
4848	Cirroteuthidae	octopus
6005	Cladocera	water flea
3830	Clionidae	pteropod
8370	Clypeasteroida	sand dollar
1340	Cnidaria	cnidarian
6080	Copepoda	copepod
4808	Cranchiidae	squid
8117	Crangonidae	shrimp
8261	Crinoidea	feather star
6000	Crustacea	crustacean
2250	Ctenophora	comb-jelly
4735	Ctenopterygidae	squid
8310	Cucumariidae	sea cucumber
6620	Cumacea	cumacean

4685	Cycloteuthidae	squid
8019	Decapoda	decapod, crustacean
8291	Dendrochirotida	sea cucumber
8831	Doliolida	doliolid
8371	Echinarachnidae	sand dollar
8260	Echinodermata	echinoderm
8361	Echinoida	sea urchin
8360	Echinoidea	sea urchin
5930	Echiurida	echiurid
2670	Ectoprocta	bryozoan
4633	Enoploteuthidae	squid
2610	Entoprocta	entoproct
7929	Eucopiidae	mysid
4475	Eudesmodontida	clam
7991	Euphausiacea	euphausiid
8158	Galatheidae	malacostracan
6980	Gammaridea	gammarid (suborder)
3175	Gastropoda	gastropod
8250	Geryonidae	crab
4768	Gonatidae	squid
8256	Grapsidae	crab
4798	Grimalditeuthidae	squid
3820	Gymnosomata	pteropod
8600	Hemichordata	acorn worm
4225	Heterodontida	bivalve
4575	Heteroteuthinae	cephalopod
4435	Hiatellidae	clam
8069	Hippolytidae	shrimp
5875	Hirudinea	leech
4712	Histioteuthidae	squid
8290	Holothuroidea	sea cucumber
1341	Hydrozoa	hydrozoan
6960	Hyperiidae	hyperiid (family)
6931	Hyperiidea	hyperiid (suborder)
6817	Idotea sp.	isopod
6818	Idotea balthica	isopod
6819	Idotea phosphorea	isopod
6816	Idoteidae	isopod
4862	Incirrata	octopus
1100	Invertebrata	invertebrate (NS)
6760	Isopoda	isopod
4803	Joubiniteuthidae	squid
8860	Larvacea	appendicularian
4695	Lepidoteuthidae	squid
3785	Limacinidae	pteropod
8194	Lithodidae	spiny crab
4594	Loliginidae	squid
7926	Lophogastridae	mysid
4619	Lycoteuthidae	squid
8141	Macrura	malacostracan
8211	Majidae	crab, spider
4786	Mastigoteuthidae	squid

3235	Mesogastropoda	gastropod
3110	Mollusca	mollusc
4425	Myidae	clam
4593	Myopsida	squid
7925	Mysidacea	mysid
7932	Mysidae	mysid
4120	Mytilidae	mussel
8020	Natantia	shrimp
3420	Naticidae	snail, moon
6610	Nebaliacea	nebaliacean
8049	Nematocarcinidae	shrimp
2585	Nematoda	nematode
2580	Nematomorpha	hairworm
3480	Neogastropoda	gastropod
4727	Neoteuthidae	squid
8152	Nephropsidae	lobster
3850	Nudibranchia	nudibranch
4846	Octopoda	octopus
4877	Octopodidae	octopus
4660	Octopoteuthidae	squid
4936	Ocythoidae	octopus
4618	Oegopsida	squid
5845	Oligochaeta	oligochaete
4747	Ommastrephidae	squid
4673	Onychoteuthidae	squid
8530	Ophiuroidea	brittle star
4856	Opisthoteuthidae	octopus
8038	Oplophoridae	shrimp
6020	Ostracoda	ostracod
4155	Ostreidae	oyster
8177	Paguridae	hermit crab
8062	Palaemonidae	shrimp
8106	Pandalidae	shrimp
8190	Parapaguridae	hermit crab
8054	Pasiphaeidae	shrimp
4165	Pectinidae	scallop
8022	Penaeidae	shrimp
8021	Penaeidea	shrimp
3070	Phoronida	phoronid
4610	Pickfordiateuthidae	squid
2280	Platyhelminthes	flatworm
8660	Pogonophora	pogonophore
4950	Polychaeta	polychaete
8143	Polychelidae	malacostracan
3125	Polyplacophora	chiton
1101	Porifera	sponge
8230	Portunidae	crab
2570	Priapulida	priapulid
4100	Prionodontida	bivalve
3996	Protobranchia	bivalve
8292	Psolidae	sea cucumber
4120	Pteroconchida	bivalve

5951	Pycnogonida	sea spider
8140	Reptantia	malacostracan
2430	Rhynchocoela	rhynchocoel
4556	Rossiinae	cephalopod
2520	Rotifera	rotifer
3740	Sacoglossa	gastropod
8840	Salpida	salp
3975	Scaphopoda	tusk shell
2040	Scyphozoa	scyphozoan
4547	Sepioidea	cephalopod
4554	Sepiolidae	cephalopod
4510	Septibranchia	clam
8031	Sergestidae	shrimp
5900	Sipunculida	sipunculid
4548	Spirulidae	cephalopod
4851	Stauroteuthidae	octopus
4585	Stoloteuthinae	cephalopod
8362	Strongylocentrotidae	sea urchin
6720	Tanaidacea	tanaid
4591	Teuthoidea	squid
8830	Thaliacea	tunicate, pelagic
3760	Thecosomata	pteropod
4773	Thysanoteuthidae	squid
4926	Tremoctopodidae	octopus
6815	Valvifera	isopod
4939	Vampyromorpha	cephalopod
4940	Vampyroteuthidae	cephalopod
8242	Xanthidae	crab

APPENDIX 3: SPECIES CODE ORDERED BY NUMERICAL CODE SEQUENCE

APPENDIX 3: SPECIES CODE ORDERED BY NUMERICAL CODE SEQUENCE

CODE	SCIENTIFIC NAME	COMMON NAME
1100	Invertebrata	invertebrate (NS)
1101	Porifera	sponge
1340	Cnidaria	cnidarian
1341	Hydrozoa	hydrozoan
2040	Scyphozoa	scyphozoan
2100	Anthozoa	anthozoan
2165	Actinaria	sea anemone
2250	Ctenophora	comb-jelly
2280	Platyhelminthes	flatworm
2430	Rhynchocoela	rhynchocoel
2520	Rotifera	rotifer
2570	Priapulida	priapulid
2572	Priapulus sp.	priapulid
2573	Priapulus caudatus	priapulid
2580	Nematomorpha	hairworm
2585	Nematoda	nematode
2610	Entoprocta	entoproct
2640	Chaetognatha	arrow worm
2670	Ectoprocta	bryozoan
3070	Phoronida	phoronid
3080	Brachiopoda	lamp shell
3110	Mollusca	mollusc
3111	Aplacophora	solenogaster
3125	Polyplacophora	chiton
3175	Gastropoda	gastropod
3176	Archaeogastropoda	gastropod
3235	Mesogastropoda	gastropod
3420	Naticidae	snail, moon
3480	Neogastropoda	gastropod
3515	Buccinidae	whelk
3516	Buccinum sp.	whelk
3565	Neptunea sp.	whelk
3575	Colus sp.	whelk
3690	Cephalaspidea	gastropod
3740	Sacoglossa	gastropod
3760	Thecosomata	pteropod
3785	Limacinidae	pteropod
3786	Limacina sp.	pteropod
3787	Limacina helicina	pteropod
3788	Limacina retroversa	pteropod
3820	Gymnosomata	pteropod
3830	Clionidae	pteropod
3831	Clione sp.	pteropod
3832	Clione limacina	pteropod
3850	Nudibranchia	nudibranch
3975	Scaphopoda	tusk shell
3995	Bivalvia	bivalve
3996	Protobranchia	bivalve
4100	Prionodontida	bivalve
4120	Pteroconchida	bivalve

4120	Mytilidae	mussel
4121	Mytilus sp.	mussel
4122	Mytilus edulis	mussel, blue
4135	Modiolus sp.	mussel
4136	Modiolus modiolus	mussel, horse
4155	Ostreidae	oyster
4156	Crassostrea sp.	oyster
4157	Crassostrea virginica	oyster
4160	Ostrea sp.	oyster
4161	Ostrea edulis	oyster
4165	Pectinidae	scallop
4166	Chlamys sp.	scallop
4167	Chlamys islandica	scallop, Icelandic
4171	Aequipecten sp.	scallop
4172	Aequipecten irradians	scallop
4178	Placopecten sp.	scallop
4179	Placopecten magellanicus	scallop, giant
4190	Propeamussium sp.	scallop
4191	Propeamussium groenlandicum	scallop
4225	Heterodontida	bivalve
4425	Myidae	clam
4426	Mya sp.	clam
4427	Mya arenaria	clam, soft shell
4428	Mya truncata	clam
4435	Hiatellidae	clam
4436	Hiatella sp.	clam
4437	Hiatella arctica	clam
4440	Cyrtodaria sp.	clam
4441	Cyrtodaria siliqua	clam, bank
4475	Eudesmodontida	clam
4510	Septibranchia	clam
4545	Cephalopoda	cephalopod
4547	Sepioidea	cephalopod
4548	Spirulidae	cephalopod
4549	Spirula sp.	cephalopod
4550	Spirula spirula	cephalopod
4554	Sepiolidae	cephalopod
4556	Rossiinae	cephalopod
4557	Rossia sp.	cephalopod
4558	Rossia antillensis	cephalopod
4559	Rossia bullisi	cephalopod
4560	Rossia tortugaensis	cephalopod
4561	Rossia palpebrosa	cephalopod
4562	Rossia megaptera	cephalopod
4563	Rossia molleri	cephalopod
4567	Semirossia sp.	cephalopod
4568	Semirossia equalis	cephalopod
4569	Semirossia tenera	cephalopod
4575	Heteroteuthinae	cephalopod
4576	Heteroteuthis sp.	cephalopod
4577	Heteroteuthis atlantis	cephalopod
4578	Heteroteuthis dispar	cephalopod

4580	Nectoteuthis sp.	cephalopod
4581	Nectoteuthis pourtalesi	cephalopod
4585	Stoloteuthinae	cephalopod
4586	Stoloteuthis sp.	cephalopod
4587	Stoloteuthis leucoptera	cephalopod
4591	Teuthoidea	squid
4593	Myopsida	squid
4594	Loliginidae	squid
4595	Loligo sp.	squid
4596	Loligo brasiliensis	squid
4597	Loligo ocula	squid
4598	Loligo pealei	squid
4599	Loligo plei	squid
4600	Loligo roperi	squid
4601	Loligo surinamensis	squid
4604	Loliguncula sp.	squid
4605	Loliguncula brevis	squid
4607	Sepioteuthis sp.	squid
4608	Sepioteuthis sepioidea	squid
4610	Pickfordiateuthidae	squid
4611	Pickfordiateuthis sp.	squid
4612	Pickfordiateuthis pulchella	squid
4618	Oegopsida	squid
4619	Lycoteuthidae	squid
4620	Lycoteuthis sp.	squid
4621	Lycoteuthis diadema	squid
4623	Oregoniateuthis sp.	squid
4624	Oregoniateuthis lorigera	squid
4625	Oregoniateuthis springeri	squid
4627	Selenoteuthis sp.	squid
4628	Selenoteuthis scintillans	squid
4630	Lampadioteuthis sp.	squid
4631	Lampadioteuthis megaleia	squid
4633	Enoploteuthidae	squid
4634	Abralia sp.	squid
4635	Abralia redfieldi	squid
4636	Abralia veranyi	squid
4637	Abralia grimpei	squid
4639	Abraliopsis sp.	squid
4640	Abraliopsis pfefferi	squid
4642	Enoploteuthis sp.	squid
4643	Enoploteuthis anapsis	squid
4644	Enoploteuthis leptura	squid
4646	Pterygioteuthis sp.	squid
4647	Pterygioteuthis gemmata	squid
4648	Pterygioteuthis giardi	squid
4650	Pyroteuthis sp.	squid
4651	Pyroteuthis margaritifera	squid
4653	Thelidioteuthis sp.	squid
4654	Thelidioteuthis alessandrinii	squid
4660	Octopoteuthidae	squid
4661	Octopoteuthis sp.	squid

4662	Octopoteuthis danae	squid
4663	Octopoteuthis megaptera	squid
4664	Octopoteuthis sicula	squid
4666	Taningia sp.	squid
4667	Taningia danae	squid
4673	Onychoteuthidae	squid
4674	Ancistroteuthis sp.	squid
4675	Ancistroteuthis lichtensteini	squid
4677	Onychoteuthis sp.	squid
4678	Onychoteuthis banksi	squid
4680	Onykia sp.	squid
4681	Onykia carribaea	squid
4685	Cycloteuthidae	squid
4686	Cycloteuthis sp.	squid
4687	Cycloteuthis sirventi	squid
4689	Discoteuthis sp.	squid
4690	Discoteuthis discus	squid
4691	Discoteuthis laciniosa	squid
4695	Lepidoteuthidae	squid
4696	Lepidoteuthis sp.	squid
4697	Lepidoteuthis grimaldii	squid
4699	Pholidoteuthis sp.	squid
4700	Pholidoteuthis adami	squid
4702	Tetronychoteuthis sp.	squid
4703	Tetronychoteuthis dussumieri	squid
4707	Architeuthidae	squid
4708	Architeuthis sp.	squid
4709	Architeuthis dux	squid
4712	Histioteuthidae	squid
4713	Histioteuthis sp.	squid
4714	Histioteuthis bonnelli	squid
4715	Histioteuthis celetaria celetaria	squid
4716	Histioteuthis corona corona	squid
4717	Histioteuthis dofleini	squid
4718	Histioteuthis elongata	squid
4719	Histioteuthis meleagroteuthis	squid
4720	Histioteuthis reversa	squid
4727	Neoteuthidae	squid
4728	Neoteuthis sp.	squid
4731	Bathyteuthidae	squid
4732	Bathyteuthis sp.	squid
4733	Bathyteuthis abyssicola	squid
4735	Ctenopterygidae	squid
4736	Ctenopteryx sp.	squid
4737	Ctenopteryx sicula	squid
4741	Brachioteuthidae	squid
4742	Brachioteuthis sp.	squid
4743	Brachioteuthis riisei	squid
4744	Brachioteuthis beani	squid
4747	Ommastrephidae	squid
4748	Hyaloteuthis sp.	squid
4749	Hyaloteuthis pelagica	squid

4751	Illex sp.	squid
4752	Illex coindetii	squid
4753	Illex illecebrosus	squid, short-fin
4754	Illex oxygonius	squid
4756	Ommastrephes sp.	squid
4757	Ommastrephes bartrami	squid
4758	Ommastrephes pteropus	squid
4761	Ornithoteuthis sp.	squid
4762	Ornithoteuthis antillarum	squid
4768	Gonatidae	squid
4769	Gonatus sp.	squid
4770	Gonatus fabricii	squid, Arctic
4771	Gonatus steenstrupi	squid
4773	Thysanoteuthidae	squid
4774	Thysanoteuthis sp.	squid
4775	Thysanoteuthis rhombus	squid
4778	Chiroteuthidae	squid
4779	Chiroteuthis sp.	squid
4780	Chiroteuthis lacertosa	squid
4782	Valbyteuthis sp.	squid
4783	Valbyteuthis danae	squid
4786	Mastigoteuthidae	squid
4787	Mastigoteuthis sp.	squid
4788	Mastigoteuthis agassizi	squid
4789	Mastigoteuthis hjorti	squid
4790	Mastigoteuthis magna	squid
4791	Mastigoteuthis grimaldii	squid
4792	Mastigoteuthis cordiformis	squid
4798	Grimalditeuthidae	squid
4799	Grimalditeuthis sp.	squid
4800	Grimalditeuthis bomplandi	squid
4803	Joubiniteuthidae	squid
4804	Joubiniteuthis sp.	squid
4805	Joubiniteuthis portieri	squid
4808	Cranchiidae	squid
4809	Bathothauma sp.	squid
4810	Bathothauma lyromma	squid
4812	Cranchia sp.	squid
4813	Cranchia scabra	squid
4815	Egea sp.	squid
4816	Egea inermis	squid
4818	Pyrogopsis sp.	squid
4819	Pyrogopsis lemur	squid
4821	Megalocranchia sp.	squid
4822	Megalocranchia megalops	squid
4824	Galiteuthis sp.	squid
4825	Galiteuthis armata	squid
4827	Teuthowenia sp.	squid
4828	Teuthowenia megalops	squid
4830	Helicocranchia sp.	squid
4831	Helicocranchia pfefferi	squid
4833	Leachia sp.	squid

4834	Leachia cyclura	squid
4836	Liocranchia sp.	squid
4837	Liocranchia reinhardti	squid
4839	Taonius sp.	squid
4840	Taonius pavo	squid
4846	Octopoda	octopus
4847	Cirrata	octopus
4848	Cirroteuthidae	octopus
4849	Cirroteuthis sp.	octopus
4850	Cirroteuthis mulleri	octopus
4851	Stauroteuthidae	octopus
4852	Stauroteuthis sp.	octopus
4853	Stauroteuthis syrtensis	octopus
4855	Opisthoteuthidae	octopus
4857	Opisthoteuthis sp.	octopus
4858	Opisthoteuthis agassizi	octopus
4860	Grimpoteuthis sp.	octopus
4862	Incirrata	octopus
4863	Bolitaenidae	octopus
4864	Eledonella sp.	octopus
4865	Eledonella pygmaea	octopus
4867	Japetella sp.	octopus
4868	Japetella diaphana	octopus
4872	Alloposidae	octopus
4873	Alloposus sp.	octopus
4874	Alloposus mollis	octopus
4877	Octopodidae	octopus
4878	Bathypolypus sp.	octopus
4879	Bathypolypus arcticus	octopus
4881	Benthoctopus sp.	octopus
4882	Benthoctopus januari	octopus
4883	Benthoctopus piscatorum	octopus
4886	Danoctopus sp.	octopus
4887	Danoctopus schmidti	octopus
4889	Euaxoctopus sp.	octopus
4890	Euaxoctopus pillsburyae	octopus
4894	Octopus sp.	octopus
4895	Octopus briarius	octopus
4896	Octopus burryi	octopus
4897	Octopus defilippi	octopus
4898	Octopus hummelincki	octopus
4899	Octopus joubini	octopus
4900	Octopus macropus	octopus
4901	Octopus maya	octopus
4902	Octopus vulgaris	octopus
4903	Octopus zonatus	octopus
4904	Octopus bairdii	octopus
4907	Pteroctopus sp.	octopus
4908	Pteroctopus tetracirrhus	octopus
4910	Scaeurgus sp.	octopus
4911	Scaeurgus unicirrhus	octopus
4913	Graneledone sp.	octopus

4914	Graneledone verrucosa	octopus
4916	Tetracheledone sp.	octopus
4917	Tetracheledone spinicirrus	octopus
4926	Tremoctopodidae	octopus
4927	Tremoctopus sp.	octopus
4928	Tremoctopus gelatus	octopus
4929	Tremoctopus violaceus	octopus
4932	Argonautidae	octopus
4933	Argonauta sp.	octopus
4934	Argonauta argo	octopus
4935	Argonauta hians	octopus
4936	Ocythoidae	octopus
4937	Ocythoe sp.	octopus
4938	Ocythoe tuberculata	octopus
4939	Vampyromorpha	cephalopod
4940	Vampyroteuthidae	cephalopod
4941	Vampyroteuthis sp.	cephalopod
4942	Vampyroteuthis infernalis	cephalopod
4949	Annelida	annelid
4950	Polychaeta	polychaete
5845	Oligochaeta	oligochaete
5875	Hirudinea	leech
5900	Sipunculida	sipunculid
5930	Echiurida	echiurid
5950	Arthropoda	arthropod
5951	Pycnogonida	sea spider
6000	Crustacea	crustacean
6005	Cladocera	water flea
6020	Ostracoda	ostracod
6080	Copepoda	copepod
6081	Calanoida	copepod, calanoid
6580	Cirripedia	barnacle
6610	Nebaliacea	nebaliacean
6620	Cumacea	cumacean
6720	Tanaidacea	tanaid
6760	Isopoda	isopod
6815	Valvifera	isopod
6816	Idoteidae	isopod
6817	Idotea sp.	isopod
6818	Idotea balthica	isopod
6819	Idotea phosphorea	isopod
6930	Amphipoda	amphipod
6931	Hyperiidea	hyperiid (suborder)
6960	Hyperiidae	hyperiid (family)
6967	Parathemisto sp.	hyperiid
6976	Hyperia sp.	hyperiid
6977	Hyperia galba	hyperiid
6978	Hyperia medusarum	hyperiid
6980	Gammaridea	gammarid (suborder)
7880	Caprellidea	caprellid
7882	Stilomysis sp.	mysid
7925	Mysidacea	mysid

7926	Lophogastridae	mysid
7927	Gnathophausia sp.	mysid
7929	Eucopiidae	mysid
7930	Eucopia sp.	mysid
7932	Mysidae	mysid
7933	Boreomysis sp.	mysid
7934	Boreomysis tridens	mysid
7935	Boreomysis arctica	mysid
7936	Boreomysis nobilis	mysid
7940	Erythrops sp.	mysid
7941	Erythrops erythrophthalma	mysid
7942	Erythrops abyssorum	mysid
7943	Erythrops microps	mysid
7946	Meterythrops sp.	mysid
7947	Meterythrops robusta	mysid
7950	Amblyops sp.	mysid
7951	Amblyops kempii	mysid
7952	Amblyops abbreviata	mysid
7957	Pseudomma sp.	mysid
7958	Pseudomma affine	mysid
7959	Pseudomma truncatum	mysid
7960	Pseudomma roseum	mysid
7963	Mysidetes sp.	mysid
7964	Mysidetes farrani	mysid
7967	Mysis sp.	mysid
7968	Mysis polaris	mysid
7969	Mysis gaspensis	mysid
7970	Mysis oculata	mysid
7971	Mysis litoralis	mysid
7972	Mysis mixta	mysid
7973	Mysis stenolepis	mysid
7978	Praunus sp.	mysid
7979	Praunus flexuosus	mysid
7983	Stilomysis grandis	mysid
7985	Neomysis sp.	mysid
7986	Neomysis americana	mysid
7988	Heteromysis sp.	mysid
7989	Heteromysis formosa	mysid
7991	Euphausiacea	euphausiid
7993	Meganyctiphanes sp.	euphausiid
7994	Meganyctiphanes norvegica	euphausiid
7996	Euphausia sp.	euphausiid
7997	Euphausia krohni	euphausiid
7998	Euphausia brevis	euphausiid
8000	Thysanoessa sp.	euphausiid
8001	Thysanoessa inermis	euphausiid
8002	Thysanoessa raschi	euphausiid
8003	Thysanoessa longicaudata	euphausiid
8004	Thysanoessa gregaria	euphausiid
8007	Nematoscelis sp.	euphausiid
8008	Nematoscelis megalops	euphausiid
8011	Stylocheiron sp.	euphausiid

8012	Stylocheiron longicorne	euphausiid
8014	Thysanopoda sp.	euphausiid
8015	Thysanopoda acutifrons	euphausiid
8016	Nyctiphanes sp.	euphaussid
8017	Nyctiphanes couchii	euphausiid
8019	Decapoda	decapod, crustacean
8020	Natantia	shrimp
8021	Penaeidea	shrimp
8022	Penaeidae	shrimp
8023	Plesiopenaeus sp.	shrimp
8024	Plesiopenaeus edwardsianus	shrimp
8026	Gennadas sp.	shrimp
8027	Gennadas elegans	shrimp
8031	Sergestidae	shrimp
8032	Sergestes sp.	shrimp
8033	Sergestes arcticus	shrimp
8037	Caridea	shrimp
8038	Oplophoridae	shrimp
8039	Acanthephyra sp.	shrimp
8040	Acanthephyra pelagica	shrimp
8041	Acanthephyra purpurea	shrimp
8044	Hymenodora sp.	shrimp
8045	Hymenodora glacialis	shrimp
8049	Nematocarcinidae	shrimp
8050	Nematocarcinus sp.	shrimp
8051	Nematocarcinus ensifer	shrimp
8054	Pasiphaeidae	shrimp
8055	Pasiphaea sp.	shrimp
8056	Pasiphaea tarda	shrimp
8057	Pasiphaea multidentata	shrimp
8058	Pasiphaea princeps	shrimp
8062	Palaemonidae	shrimp
8063	Palaemonetes sp.	shrimp
8064	Palaemonetes pugio	shrimp
8065	Palaemonetes vulgaris	shrimp
8069	Hippolytidae	shrimp
8070	Bythocaris sp.	shrimp
8071	Bythocaris payeri	shrimp
8074	Eualus sp.	shrimp
8075	Eualus fabricii	shrimp
8076	Eualus pusiolus	shrimp
8077	Eualus macilentus	shrimp
8078	Eualus stoneyi	shrimp
8079	Eualus gaimardii	shrimp
8080	Eualus gaimardii gaimardii	shrimp
8081	Eualus gaimardii belcheri	shrimp
8084	Spirontocaris sp.	shrimp
8085	Spirontocaris spinus	shrimp
8086	Spirontocaris phippsi	shrimp
8087	Spriontocaris lilljeborgi	shrimp
8091	Lebbeus sp.	shrimp
8092	Lebbeus groenlandicus	shrimp

8093	Lebbeus polaris	shrimp
8094	Lebbeus zebra	shrimp
8095	Lebbeus microceros	shrimp
8099	Caridion sp.	shrimp
8100	Caridion gordoni	shrimp
8102	Latreutes sp.	shrimp
8103	Latreutes fucorum	shrimp
8106	Pandalidae	shrimp
8107	Dichelopandalus sp.	shrimp
8108	Dichelopandalus leptocerus	shrimp
8110	Pandalus sp.	shrimp
8111	Pandalus borealis	shrimp
8112	Pandalus montagui	shrimp
8113	Pandalus propinquus	shrimp
8117	Crangonidae	shrimp
8118	Sclerocrangon sp.	shrimp
8119	Sclerocrangon boreas	shrimp
8120	Sclerocrangon ferox	shrimp
8124	Crangon sp.	shrimp
8125	Crangon septemspinosa	shrimp
8127	Sabinea sp.	shrimp
8128	Sabinea septemcarinata	shrimp
8129	Sabinea sarsi	shrimp
8130	Sabinea hystrix	shrimp
8134	Pontophilus sp.	shrimp
8135	Pontophilus norvegicus	shrimp
8137	Argis sp.	shrimp
8138	Argis dentata	shrimp
8140	Reptantia	malacostracan
8141	Macrura	malacostracan
8143	Polychelidae	malacostracan
8144	Stereomastis sp.	malacostracan
8145	Stereomastis sculpta	malacostracan
8149	Polycheles sp.	malacostracan
8150	Polycheles granulatus	malacostracan
8152	Nephropsidae	lobster
8153	Homarus sp.	lobster
8154	Homarus americanus	lobster
8157	Anomura	malacostracan
8158	Galatheidae	malacostracan
8159	Munida sp.	malacostracan
8160	Munida tenuimana	malacostracan
8163	Munidopsis sp.	malacostracan
8164	Munidopsis curvirostra	malacostracan
8167	Axiidae	malacostracan
8168	Axius sp.	malacostracan
8169	Axius serratus	malacostracan
8172	Calocaris sp.	malacostracan
8173	Calocaris templemani	malacostracan
817	Calocaris macandreae	malacostracan
8177	Paguridae	hermit crab
8178	Pagurus sp.	hermit crab

8179	Pagurus acadianus	hermit crab
8180	Pagurus pubescens	hermit crab
8181	Pagurus politus	hermit crab
8182	Pagurus arcuatus	hermit crab
8183	Pagurus kroyeri	hermit crab
8184	Pagurus longicarpus	hermit crab
8190	Parapaguridae	hermit crab
8191	Parapagurus sp.	hermit crab
8192	Parapagurus pilosimanus	hermit crab
8194	Lithodidae	spiny crab
8195	Lithodes sp.	spiny crab
8196	Lithodes maja	spiny crab
8199	Neolithodes sp.	spiny crab
8200	Neolithodes grimaldii	spiny crab, red
8203	Brachyura	crab
8204	Cancridae	crab
8205	Cancer sp.	crab
8206	Cancer irroratus	crab
8207	Cancer borealis	crab
8211	Majidae	crab, spider
8212	Chionoecetes sp.	crab
8213	Chionoecetes opilio	crab, snow or queen
8216	Hyas sp.	crab, toad
8217	Hyas araneus	crab, toad
8218	Hyas coarctatus	crab, toad
8221	Libinia sp.	crab
8222	Libinia emarginata	crab
8223	Libinia dubia	crab
8226	Pelia sp.	crab
8227	Pelia mutica	crab
8230	Portunidae	crab
8231	Carcinus sp.	crab
8232	Carcinus maenas	crab
8234	Ovalipes sp.	crab
8235	Ovalipes ocellatus	crab
8238	Portunus sp.	crab
8239	Portunus sayi	crab
8242	Xanthidae	crab
8243	Neopanope sp.	crab
8244	Neopanope sayi	crab
8246	Rhithropanopeus sp.	crab
8247	Rhithropanopeus harrisii	crab
8250	Geryonidae	crab
8251	Geryon sp.	crab
8252	Geryon quiquedens	crab
8256	Grapsidae	crab
8257	Planes sp.	crab
8258	Planes minutus	crab
8260	Echinodermata	echinoderm
8261	Crinoidea	feather star
8290	Holothuroidea	sea cucumber
8291	Dendrochirotida	sea cucumber

8292	Psolidae	sea cucumber
8293	Psolus sp.	sea cucumber
8294	Psolus phantapus	sea cucumber
8295	Psolus fabricii	sea cucumber
8310	Cucumariidae	sea cucumber
8311	Cucumaria sp.	sea cucumber
8312	Cucumaria frondosa	sea cucumber
8360	Echinoidea	sea urchin
8361	Echinoida	sea urchin
8362	Strongylocentrotidae	sea urchin
8363	Strongylocentrotus sp.	sea urchin
8364	Strongylocentrotus droebachiensis	sea urchin
8365	Strongylocentrotus pallidus	sea urchin
8370	Clypeasteroida	sand dollar
8371	Echinarachnidae	sand dollar
8372	Echinarachnius sp.	sand dollar
8373	Echinarachnius parma	sand dollar
8390	Asteroidea	sea star
8530	Ophiuroidea	brittle star
8600	Hemichordata	acorn worm
8660	Pogonophora	pogonophore
8679	Chordata	chordate
8680	Ascidiacea	tunicate, sessile
8830	Thaliacea	tunicate, pelagic
8831	Doliolida	doliolid
8840	Salpida	salp
8860	Larvacea	appendicularian
9980		unidentified material
9981		sand
9982		stone
9984		eggs, fish (spawn)
9985		eggs, invertebrate
9987		plant material or seaweed
9990		gelatinous zooplankton
9991		gephyraea
9993		bait
9994		offal, fish
9995		offal, other
9997		everted
9998		empty